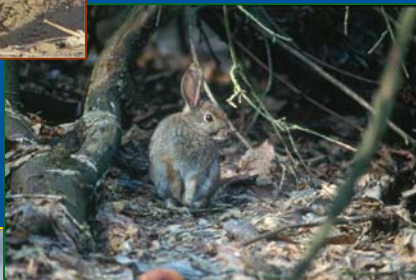


# Central Valley Project Improvement Act Habitat Restoration Program section 3406 (b)(1) “other”



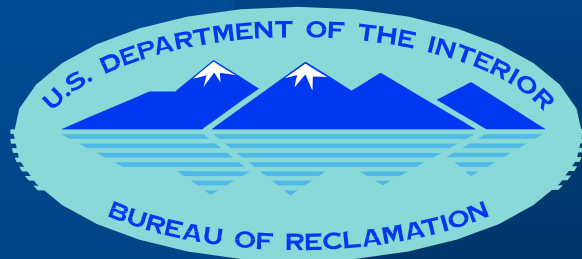
Prepared for  
CVPIA Public Meeting  
December 11, 2008

# **Management of the Habitat Restoration Program (HRP)**

**U.S. Department of the Interior  
Program Managers**

**John Thomson - BOR**

**Caroline Prose - FWS**



## **Section 3406(b)(1) “other”**

- **“...in the course of developing and implementing this program the Secretary shall make all reasonable efforts consistent with the requirements of this section to address other identified adverse environmental impacts of the CVP not specifically enumerated in this section.”**

# Program Vision & Objectives

- **VISION:** Fund a balanced set of conservation actions to improve conditions for federally listed CVP-impacted species
- **OBJECTIVES:**
  - Protect and restore native habitats impacted by the CVP
  - Stabilize and improve populations of native species impacted by the CVP
  - Establish Measurable Outcomes related to biological objectives

# Program Funding and Priorities

- Currently funded at \$1.5 million/year
- ~\$24 million spent on ~ 90 projects from 1996 – 2008
- Funding distributions per category:
  - ~50% Land acquisition
  - ~20% Habitat restoration
  - ~20% Research
  - ~10% Other



*Ohm property  
Riparian restoration*

# Priority Species and Habitats

## ■ CVP impacts

- Defined in Biological Opinions & Historical Trend Analysis

*Giant garter snake*



## ■ Priority Species

- Rankings (very high, high, medium, low) based on recovery-related criteria: degree of threat, recovery potential, impacts from CVP



# Priority Species and Habitats (cont.)

## ■ Priorities for solicitation of proposals

- Determined annually
- Reflect current evaluation of high priority species needs & habitat trends
- Account for historical levels of investment, future threats to specific ecosystems, CVP impacts, etc.
- Compliment other on-going actions within priority project area



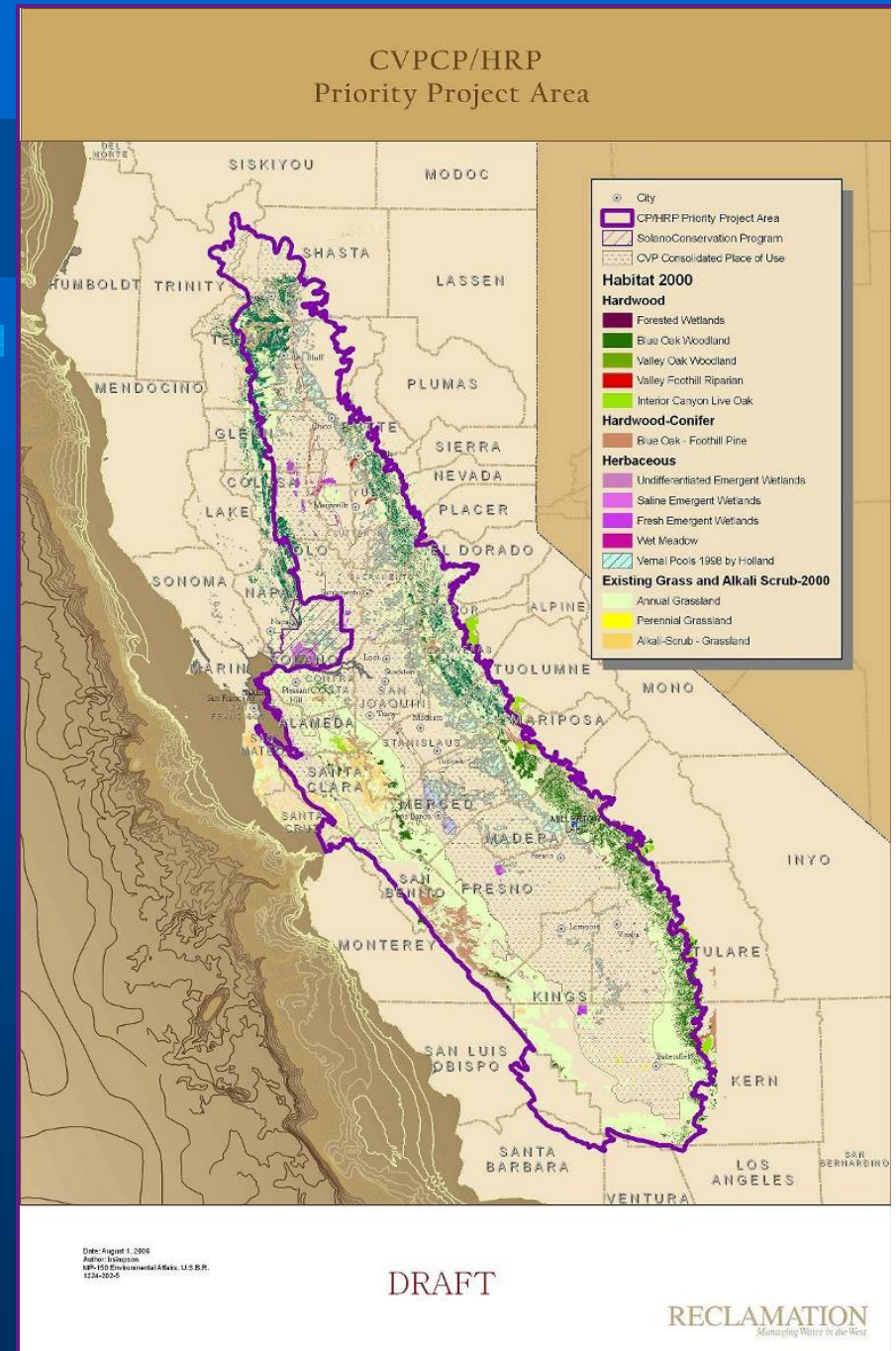
*Lange's metalmark butterfly*  
Photo by Adam Clause

# Priority Project Area

## ■ GIS-based project area map

### *Basic criteria*

- Existing and historical CVP “Consolidated Place of Use”
- Priority habitats impacted by the CVP
  - Biological opinions/  
SWRCB permit (D1641)
  - Historical Trend Analysis
- U.S. Forest Service Ecological subregion boundaries





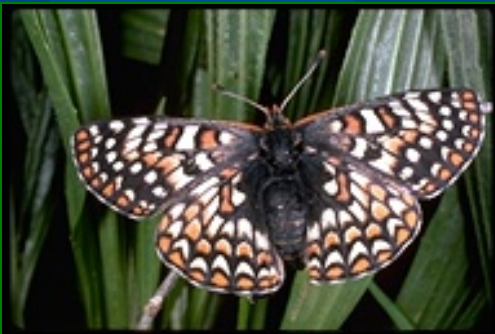
# High Priority Species and Habitats



*Serpentine Vegetation*



*Central Valley Vernal Pools*



*Bay checkerspot  
butterfly*



*Metcalf Canyon  
Jewelflower*



*Vernal pool fairy  
shrimp*



*California tiger  
salamander*



# High Priority Species and Habitats (cont.)



*Alkali Scrub/Grasslands*



*San Joaquin  
kit fox*

Photo by Tim Lynch



*Tipton kangaroo rat*

Photo by Susan Jones



*Riparian/Aquatic*



*Least Bell's  
vireo*

*Giant garter  
snake*





# High Priority Species and Habitats (cont.)



*Chaparral*



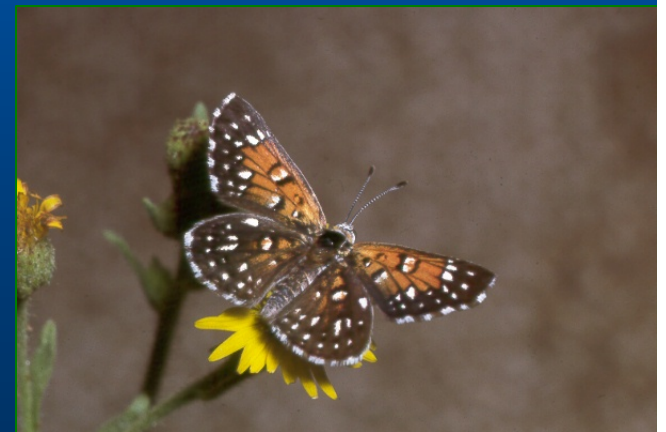
*Riverine Dune*



*Pine Hill flannelbush*



*Pine Hill ceanothus*



*Lange's metalmark butterfly*

# FY 2008 Accomplishments

➤ Charter Ranch Wetland Restoration (GGS)	\$258,220
➤ San Joaquin River NWR Riparian Restoration	\$200,000
➤ Vino Farms Riparian Restoration	\$186,114
➤ Fuels Management Pine Hills Preserve	\$70,000
➤ Propagation/Restoration Lange's Metalmark Butterfly*	\$147,660
➤ Status of Vernal Pool Plant Species (survey)	\$147,800
➤ Cosumnes Preserve, GGS Habitat Restoration	\$142,225
➤ Program Administration	<u>\$350,808</u>
	<b>\$1,502,827</b>

\*ongoing/funded previously

# FY 2009 Activities

- 2009 Budget Summary
- 2009 Solicitation
- Project Selection Process





# Projected HRP Budget Table For Fiscal Year 2009<sup>1</sup>

TASKS (BOR & FWS)	COSTS (BOR & FWS)
<b>Labor</b>	
Program Management	\$255,366
Program, Technical, & Environmental Compliance Support	\$146,957
<b>Contracts</b>	
Acquisition projects	\$548,839
Restoration projects	\$219,535
Research projects	\$219,535
Other projects (planning/mgt/outreach)	\$109,768
<b>Total labor &amp; contracts</b>	<b>\$1.5 million</b>

<sup>1</sup>See the FY 2009 AWP for the HRP for more detail on budget numbers.

# 2009 Solicitation

- **Funding Opportunity Application (FOA) posted on [www.Grants.gov](http://www.Grants.gov) (9/1/08 – 11/14/08)**
- **Integrated with CVP Conservation Program**
- **Applicants must address CVP relationship and each evaluation criteria**
- **Specific format (Budget, Species Lists, GIS Data) required**
- **Receive 25-45 proposals/year (total value \$7-\$12 million)**
- **37 proposals received in FY '09**

# Project Selection Process

## ■ Technical Team Evaluation

- Proposal ranking based on quantitative criteria (15)
- CVP “nexus”/level of CVP impacts determination
- Added tech (“peer”) review for research
- Field visits of acquisition/restoration proposals
- Benefits to listed species
- Level of partnering



# Monitoring and Oversight

## ■ Project specific monitoring:

- Measuring species' response on restored sites
- On-going project oversight and evaluation

## ■ Programmatic:

- Annual review of proposal evaluation criteria
- Annual review of solicitation process
- Annual review of species and habitat priorities
- Annual compilation of funded projects, partners, acres restored/acquired, and species benefited
- On-line database available to public

# Performance Goals

- Measure = “Contribute to Restoration and Protection of a portion of 2.7 million acres impacted by CVP...”

- Trend Analysis
- CVP BOs/SWRCB permit (D1641)



*Vernal pools*



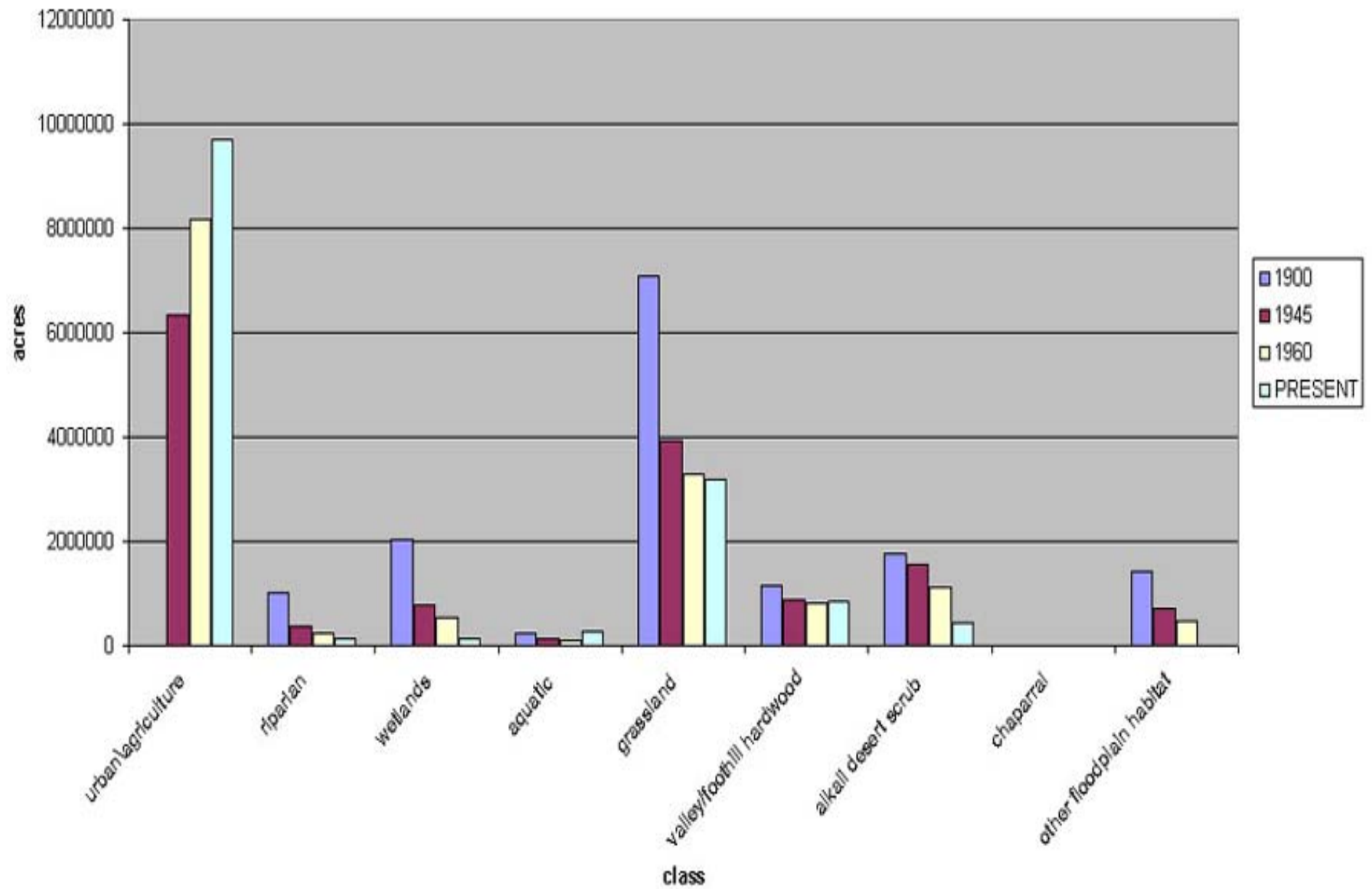
*Riparian forest*



*Alkali scrub*



Central Valley Land Cover Changes



# Performance Goals (cont.)

- Target = “Assist Federal, State, and Local Interests to Restore/Protect a reasonable number of habitat acreage...”



*Hagemann  
Unit  
SJRNWR*



*Elgorriaga  
Ranch*

# Measuring Success

- 7,386 acres Restored
- 92,432 acres Protected  
(fee title/easement acquisitions)
- Total: 99,818 acres



*Spivey  
Pond*



*Herbert  
Preserve*



YEAR	HRP ACRES WITH PARTNERS		HRP CONTRIBUTIONS TOWARDS TOTAL ACRES	
	HABITAT PROTECTION	HABITAT RESTORATION	HABITAT PROTECTION	HABITAT RESTORATION
1996	3,018	0	362	0
1997	284	617	149	485
1998	74,146	0	4,399	0
1999	1,180	0	554	0
2000	1,426	206	366	78
2001	2,831	0	529	0
2002	2,211	0	122	0
2003	2,866	0	459	0
2004	719	432	129	106
2005	755	3,370	5	2,352
2006	193	731	21	364
2007	1,603	122	16	48
2008	1,200	1,908	1	446
SUB-TOTAL	92,432	7,386	7,112	3,879
TOTAL	99,818		10,991	
GOAL/TARGET	2.7 million			



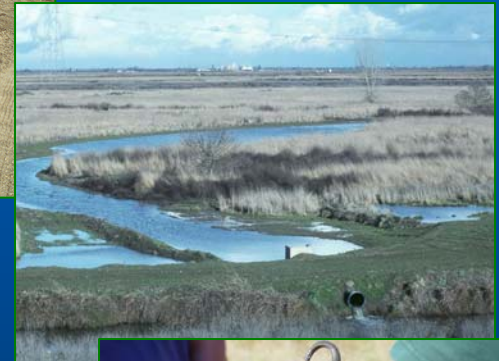
# Measuring Success (cont.)

- 67 surveys/studies addressing listed species
- 12 management/ planning & outreach actions

*Herbert Preserve*



*Zumwalt Tract  
Colusa NWR*





# Measuring Success --Challenges

- Quantifying CVP impacts on habitats/species
- Defining “reasonable” number of acres
- Linking performance goals to HRP funding levels
- Link to species’ recovery actions?

# Contact Information

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■ ph # 916-414-6575

■ HRP webpage: [www.usbr.gov/mp/cvpcp](http://www.usbr.gov/mp/cvpcp)